

Work Order ID 99934

April-16-13 12:35:26 PM

99934

Page 1

Item ID: 646.4001

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: AS350 Cable Cutter

Stop

NS2

Start Date: 4/16/13 Start Qty: 1.00

1

Cust Item ID:

Required Date: 4/30/13 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLS

Date: 13-04-10 Tooling:

Date:

Run

Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
646.4000	A	JB	0.00	0AS 27	SJG B530				
100									
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile & type labels per PPP 646.4001								

110	Pick Kit	0.00							
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110

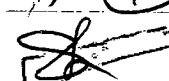
Packaging

Packaging

Memo

0.00

0AS
27

73/04/10 (C)


120	QC4- 100% Inspect kits for completeness	0.00							
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120

QC

Quality Control

Memo

0.00

SJG
B530

J

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

Work Order ID 99934

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99934

Page 2

Item ID: 646.4001

Accept

Revision ID:

Item Name: AS350 Cable Cutter

Start Date: 4/16/13 Start Qty: 1.00

1

Required Date: 4/30/13 Req'd Qty: 1.00

1

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging	Packaging	0.00			(1)	1315130	06 9-8		
Packaging	Memo	0.00							

140

QC21- Final Inspection - Work Order Release

0.00

140
QC
Quality Control

Memo

0.00

MLJ 13-05-30

MP
13-5-30

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear	General										
	Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>						
	Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>						
	Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>						
	Crushed/Crimped. <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>						
	Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>							
	Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>							
	Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>						
	Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>								
	Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>								
	Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>								
	Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>								

Picklist Print

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Page 1
17

Work Order ID: 99934

99934

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301		Manufactured	No				Each	25.0000		**			

646 3301

UpperCutter Assembly

SMR

Location

Loc Qty

Loc Code

ST139A 7

125083 7

ST545 18

93247 18

Each

17.0000

**

646.3001

646 3001

Lower Cutter Assembly

SMR

Location

Loc Qty

Loc Code

ST139A 9

125083 9

ST537 8

93425 8

Each

6.0000

**

646.2910

646 2910

Deflector

SMR

Location

Loc Qty

Loc Code

ST139A 6

125083 6

**

1
S
S
93047
C
93705
100122 4/13/0128

93705
100122 4/13/0128

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>		
			Work Order Update <input type="checkbox"/>		Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>		
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						

Picklist Print

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Page 2

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Required Date: 4/30/13

Start Qty: 1.00

Required Qty: 1.00

646.3810

646-3810

Bracket

5m

Manufactured No

Each 8.0000

**

2
Blu 130
R
S

646.3510

646-3510

Strut

5m

Manufactured No

93300

Location Loc Qty Loc Code

ST139A

8

8

Each 3.0000

**

1
99608 C
S

646.3511

646-3511

Strut

5m

Manufactured No

125083

Location Loc Qty Loc Code

ST139B

3

3

Each 2.0000

**

1
93263 C
S

646.3512

646-3512

Strut

5m

Manufactured No

125023

Location Loc Qty Loc Code

ST

2

2

Each 1.0000

**

1
10087 C
S

646.3513

646-3513

Strut

5m

Manufactured No

125083

Location Loc Qty Loc Code

ST139A

1

1

Each 24.0000

**

1
131028 C
S

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other							

Picklist Print

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Page 3

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each 8,710.000

**

NAS1149F0332P

WASHER

(B34)

R

MS21042L3

Purchased

No

Each 4,780.000

**

MS21042L3

Nut

(123900)

13/02/09

R

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

GA	182	
	182	
ST294	158	
	158	
ST295	3	
	3	
ST510	8367	
	8367	
123352		
123900		

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FP001	3	
122141	3	
GA	119	
122452	119	
ST314	268	
117885	32	
119017	55	
119075	138	
123265	43	
ST506	4390	
123900	974	
124291	3416	

Spec 1
21493

SMR

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Shop Packet Print

Page 3

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							

Picklist Print

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Page 4

Work Order ID: 99934

99934

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter

646.3110

Manufactured No

Each 6.0000

Start Date: 4/16/13
Start Qty: 1.00

646 3110
Channel

SMB

1
93242 C SK

646.3710

Manufactured No

125083

Loc Qty 6

Loc Qty 6

Each 22.0000

646 3710
Doubler

SMW

1
C SK

646.3210

Manufactured No

97175

Loc Qty 22

Loc Qty 22

Each 5.0000

646 3210
Support

SMF

97175
93350 C SK

646.3713

Manufactured No

93488

Loc Qty 5

Loc Qty 5

Each 7.0000

646 3713
Gusset

SMI

1
100126 C 136/28
SK

Location ST139A Loc Qty 7
93208 Loc Qty 7

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/>	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/>

Picklist Print

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Page 5

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

MS24694-S51

~~*MS24694-S51*~~
Screw

Purchased No Each 108.0000

Start Date: 4/16/13
Start Qty: 1.00

Required Date: 4/30/13
Required Qty: 1.00

**



AN3-13A

~~*AN3-13A*~~
Bolt

Purchased No Each 95.0000

**



SMJ

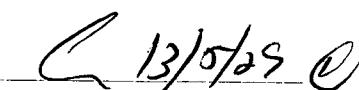
Location	Loc Qty	Loc Code
ST303	108	
116805	1	
123741	107	

AN3-4A

~~*AN3-4A*~~
Bolt

Purchased No Each 453.0000

**



SMJ

Location	Loc Qty	Loc Code
ST350	318	
120308	80	
122814	38	
124858	200	
ST512	135	
120770	134	
123900	1	



NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other							

Picklist Print

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Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

CR3213-5-3

CR3213-5-3
Cherry Rivet

Purchased No

Start Date: 4/16/13
Start Qty: 1.00

Required Date: 4/30/13
Required Qty: 1.00

MS20470AD5-5.5

MS20470AD5-5.5
Rivet

Purchased No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST329	300	
	300	
123785	Each	741.0000

**

646.3711

646 3711
Clip

Manufactured No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST336	741	
	741	
123425	Each	2.0000

**

646.3712

646 3712
Clip

Manufactured No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	2	
	2	
125083	Each	2.0000

**

April-16-13 12:35:31 PM

Shop Packet Print

Page 6

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
				Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced Temperature/Cure			
				Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Weld <input type="checkbox"/>			
				Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>			
				Crushed/Crimped. <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>				
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>				
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>				
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>			
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>					
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>					
				Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>					
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>					

Picklist Print

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Page 7

Work Order ID: 99934

99934
646 4001

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3811

Manufactured No

Each 29.0000

**

646 3811

Radius Block

SMP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	29	
125083	9	
93224	20	

AN3-6A

Purchased No

Each 438.0000

**

AN3-6A

Bolt

SMP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	300	
124296	300	
ST351	61	
117441	34	
121166	13	
122993	10	
123831	4	
ST512	77	
122814	77	

MS24694-S55

Purchased No

Each 92.0000

**

MS24694-S55

Screw

SMP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST303	92	
124296	92	

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/>

Picklist Print

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Page 8

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

646.3610

646-3610
Filler

Manufactured No

Each 18.0000

Start Date: 4/16/13
Start Qty: 1.00

Required Date: 4/30/13
Required Qty: 1.00

**

646.3714

646-3714
Gusset

Manufactured No

Each 2.0000

**

MS20470AD5-6

MS20470AD5-6
Rivet

Purchased No

Each 1,756.000

**

646.3812

646-3812
Gusset Bracket

Manufactured No

Each 9.0000

**

April-16-13 12:35:31 PM

Shop Packet Print

Page 8

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled						

Picklist Print

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Page 9

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-3A

~~*AN3-3A*~~
Bolt

Sh?

Purchased No

Each 268.0000

**



646.3813

~~*646 3813*~~
Strut Bracket

Sh?

Manufactured No

Location Loc Qty Loc Code

ST350	268	
123831	7	
124221	200	
124552	61	

Each 5.0000

**



Blu/33



MS20470AD5-7

~~*MS20470AD5-7*~~
Rivet

Sh?

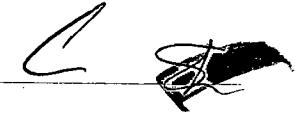
Purchased No

Location Loc Qty Loc Code

ST139d	5	
125083	5	

Each 2,194.000

**



MS21047-3

~~*MS21047-3*~~
NUT PLATE

Sh?

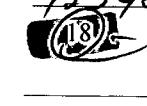
Purchased No

Location Loc Qty Loc Code

Mezz	1384	
2655	799	
3011	585	
ST336	810	
123425	810	

Each 445.0000

**



13/0/290



NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear				General						
				Bending <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>			
				Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>			
				Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>			
				Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>			
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Part Moved <input type="checkbox"/>				
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>				
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>			
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>					
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>					
				Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>					
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>					

Picklist Print

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Page 10

Work Order ID: 99934
Parent Item: 646.4001
Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13
Required Qty: 1.00

CCR264SS3-02

Purchased

No

Each 740.0000

**

CCR264SS3-02

Rivets Chmn

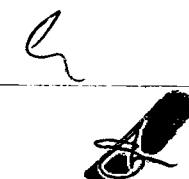
SHD

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST327	740	
106578	100	
123785	240	
124231	200	
124259	200	
	Each	1,103.000

**



123785 24X
124231 12X



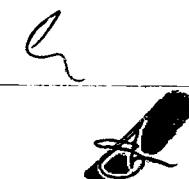
AN3-5A

Purchased

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FP001	86	
122800	86	
GA	120	
117423	120	
ST350	22	
120187	22	
ST512	875	
122416	75	
124561	800	
	Each	12.0000

**



124561
99759 C 13/0/23

646.3715

Manufactured

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	12	
93338	12	

Strut Doubler

JM

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/> <hr/>

Picklist Print

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Page 11

Work Order ID: 99934

99934

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

MS27039-1-12

Purchased

No

Each

169.0000

**

MS27039-1-12

Screw

JW



646.3716

Manufactured

No

Location

Loc Qty

Loc Code

Mezz

169

100993

169

Each

4.0000

**

646 3716

Gauge Bracket

JW



MS20426AD5-7

Purchased

No

Location

Loc Qty

Loc Code

125083

4

125083

4

Each

813.0000

**

MS20426AD5-7

Rivet

JW



MS24694-S54

Purchased

No

Location

Loc Qty

Loc Code

ST334

813

101340

813

Each

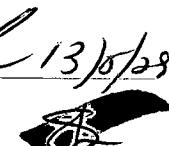
76.0000

**

MS24694-S54

Screw

JW



DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>								
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>								
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>								
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>									
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector						
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	

Picklist Print

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Page 12

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

MS27039-1-21

~~*MS27039-1-21*~~

SCREW

SM

Purchased

No

Each

343.0000

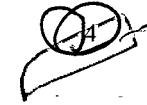
**

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00



MS27039-1-20

~~*MS27039-1-20*~~

Screw

SM

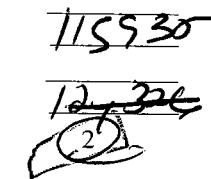
Purchased

No

Each

478.0000

**



MS27039-1-19

~~*MS27039-1-19*~~

Screw

SM

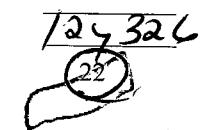
Purchased

No

Each

848.0000

**



646.3717

~~*646 3717*~~

Doubler

SMR

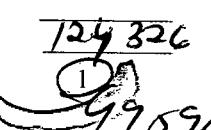
Manufactured

No

Each

2.0000

**



SAC2

Location

ST306

Loc Qty

102

122814

2

123522

100

ST506

746

124326

746

Loc Code

124326

124326

124326

124326

124326

124326

124326

124326

124326

124326

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____	Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
NCR No. _____	Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
	Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear	General									
	Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>					
	Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>					
	Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>					
	Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>					
	Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>						
	Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>						
	Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>					
	Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>							
	Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>							
	Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>							
	Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>							

Picklist Print

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Page 13

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3718

646 3718

Custom Washer

Manufactured No

Each 45.0000

**



646.3719

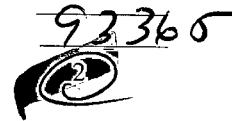
646 3719

Doubler

Manufactured No

Each 24.0000

**



MS27039-1-10

MS27039-1-10

Screw

Purchased No

Each 321.0000

**



SM

Location Loc Qty Loc Code

ST139A 7

125083 7

ST522 38

93365 38

Each

24.0000

Location Loc Qty Loc Code

ST139B 24

125083 24

Each

321.0000

Location Loc Qty Loc Code

GA 100

120449 100

ST305 101

122815 1

124859 100

ST308 18

123522 18

ST506 102

124326 102

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
				Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
				Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
				Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data	<input type="checkbox"/>										
Equip/Tooling	<input type="checkbox"/>										
Operator	<input type="checkbox"/>										
Material	<input type="checkbox"/>										
Setup	<input type="checkbox"/>										
Other	<input type="checkbox"/>										
Process	<input type="checkbox"/>										
Supplier	<input type="checkbox"/>										
Training	<input type="checkbox"/>										
Unapproved	<input type="checkbox"/>										
FAULT CATEGORY											
Landing Gear				General							
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced			
Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure			
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld			
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled			
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>				
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>				
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>				
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>	Other	<input type="checkbox"/>				
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>				
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>				
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>				

Picklist Print

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Page 14

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-11A

Purchased No Each 672.0000

AN3-11A
Bolt

**



SH

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST351	72	
123525	72	
ST512	600	
115457	100	
123352	200	
123759	300	

Each 9.0000

**

123759

600.0990

Purchased No Each 9.0000

600 0990

Magnabond 6398 Part A (One 4 oz can)

SH

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	9	
125051	9	

Each 9.0000

**

125051

600.0991

Purchased No Each 9.0000

600 0991

Magnabond 6398 Part B (One 4 oz can)

SH

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	9	
125051	9	

Each 9.0000

**

125051

600.1012

Purchased No Each 9.0000

600 1012

Sealant (One 6 oz Semikit)

SH

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	9	
125051	9	

Each 9.0000

**

125051

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

OA Closed: Date:

Picklist Print

April-16-13 12:35:31 PM

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

600.0129

Purchased No

f 128.0000

**

600 0129

VHB Tape (75935A651 mcmaster)

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

600.1013

Purchased No

125031

128
128

Each 945.0000

**

600 1013

Tape Primer

125031

5

JB

Sh

646.3910

Manufactured No

125154

945
945

Each 72.0000

**

125154

4

99658

Sh

646 3910

Shim

52B

646.3911

Manufactured No

125083

22
22

ST139d

50
50

93238

Each 20.0000

**

Sh

13-04-26

646 3911

Shim

52C

Location

Loc Qty

Loc Code

ST139A

1

125083

1

ST139d

19

93362

19

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ **Date:** _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS									
				Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector						
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled			
														<input type="checkbox"/> Other	

Picklist Print

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Page 16

Work Order ID: 99934

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

99934
646 4001

646.3912

Manufactured No

Each 73.0000

Start Date: 4/16/13
Start Qty: 1.00

646 3912
Shim

Shp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	22	
125083	22	
ST139d	51	
93423	51	

**



125083

646.3913

Manufactured No

Each 36.0000

646 3913
Shim

**



JB



AN3-12A

Purchased No

Each 59.0000

AN3-12A
Bolt

Shm

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	16	
125083	16	
ST139d	20	
93160	20	

**



JB 13-04-26



GA

No

Each 59.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	6	
122407	6	
ST351	5	
114536	1	
123352	4	
ST512	48	
123759	48	

123759

NCR: Yes / No

DQA: _____ Date: _____ .

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ **Date:** _____

Work Order: _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	Bend	Grain	Ovalized	Pressure/Forced							
Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance	Temperature/Cure							
Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect	Weld							
Crushed/Crimped	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing	Wrong Stock Pulled							
Cuffs	Contamination	Maintenance	Part Moved								
Heat Treat	Countersink	Mislabeled	Positioned Wrong								
Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge								
Ripples in Bend	Drill Holes	Offset									
Torque Waves in Extrusion	Drawing	Out of Calibration									
Turning Sequence	Finish	Out of Sequence									
Wave/Twist in Tube	Folio	Outside Dimensions									

Picklist Print

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Page 17

Work Order ID: 99934

99934

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter

MS27039-1-16

Purchased

No

Each

70.0000

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

MS27039-1-16

Screw

Smy

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST306	70	
122993	70	

2
**
JB

13-04-26
AS

102993

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____ .

QA Closed: _____ **Date:** _____

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO 03079

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

SHEET 1 JF 1

DATE: 03/21/11

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR: *J. Brano*

MFG:

David Baker

QC:

James J. Jones

EFF:

NEXT ORDER

TRANSACTION CODES (TC)
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

SH 1 V
R 0
EN
UNCLES COPY
S 0 T
V 0
W 0
NO. 99934-MJ5

13-04-16

REF	REF	REF	65	647.5701	GPS MOUNT KIT	
1	6	64	6013151	VASHER	WASHER	
2	2	63	6012910	SCREW	NS2694533	
2	2	62	6012637	SCREW	NS27039-1-16	
2	2	61	6012763	BOLT	AKD-5A	
1	1	60	6463913	SHIM		
4	1	59	6463912	SHIM		
1	1	58	6463911	SHIM		
4	1	57	6463910	SHIM		
5	5	56	6001013	PRIMER		
8 FT	8 FT	55	6000129	VHB TAPE		
1	1	54	6001012	SEALANT	PR-142 CLASS 3	
484	483	482	480	FIND #	PART #	DESCRIPTION
					MATL.	SPEC.

1	1	53	6000991	MANUFACTURING 6398 PART B			
1	1	52	6000990	MANUFACTURING 6398 PART A			
8	8	51	6012826	BOLT	AKD-5A		
2	2	50	6463914	WIPER BRACKET			
2	2	49	6012910	SCREW	NS27039-1-18		
2	2	48	6011365	SCREW	NS27039-1-18		
2	2	47	6463719	DOUBLER			
2	2	46	6463718	CUSTOM WASHER			
1	1	45	6463717	DOUBLER			
22	2	44	6011948	SCREW	NS27039-1-19		
2	2	43	6011952	SCREW	NS27039-1-20		
4	4	42	6011956	SCREW	NS27039-1-21		
2	2	41	6012829	SCREW	NS2694334		
2	2	40	6012831	RIVET	NS2694265-7		
1	1	39	6463716	GUAGE BRACKET			
6	6	38	6011953	SCREW	NS27039-1-12		
2	2	37	6463715	STRUT DOUBLER			
2	2	36	6012824	BOLT	AKD-5A		
36	36	35	6012277	RIVET	NS269433-9-32		
18	18	34	6000795	NUTPLATE	NS26947-3		
3	3	33	6012563	RIVET	NS269470425-7		
1	1	32	6463813	STRUT BRACKET			
4	4	31	6012822	BOLT	AKD-5A		
2	2	30	6463812	GUSSET BRACKET			
8	8	29	6012564	RIVET	NS269470425-6		
1	1	28	6463714	GUSSET			
1	1	27	6463610	FILLER			
2	2	25	6012830	SCREW	NS2694333		
1	1	24	6463811	RADIUS BLOCK			
1	1	23	6463712	CLIP			
1	1	22	6463711	CLIP			
8	8	21	6012832	RIVET	NS269470425-3		
14	14	20	6012020	RIVET	NS2223-5-3		
10	10	19	6012823	BOLT	AKD-5A		
1	1	18	6012827	BOLT	AKD-5A		
5	5	17	6012912	SCREW	NS269470425		
1	1	16	6463713	GUSSET			
1	1	15	6463210	SUPPORT			
1	1	14	6463710	DOUBLER			
1	1	13	6463110	CHANNEL			
8	55	16	63	12	LOCKNUT	NS269462-3	
18	116	16	134	11	6011607	WASHER	
			10	6463411	RH VIPER DEFLECTOR	NS269470425	
			9	6463410	LH VIPER DEFLECTOR		
			1	6	6463513	STRUT	
			1	7	6463512	STRUT	
			1	6	6463511	STRUT	
			1	5	6463510	STRUT	
2	2	4	6463810	BRACKET			
			1	3	6462910	DEFLECTOR	
			1	2	6463001	LOWER CUTTER ASSY	
			1	1	6463301	UPPER CUTTER ASSY	
X				6464004	FIXED PROVISIONS KIT		
X				6464003	AS350 CABLE CUTTERS KIT		
			X	6464008	ARMED/ARMED DEFLECTOR-KIT		
			X	6464001	AS350 CABLE CUTTERS KIT		

DOCUMENTS EFFECTED:

MDL INSTALL INSTRUC ICA BOM

CHANGE CATEGORY
 MAJOR MINOR

DER REVIEW REQUIRED
 YES NO

99934

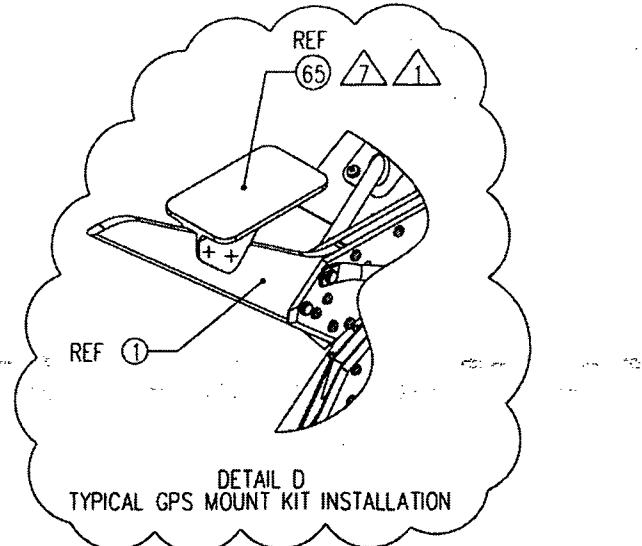
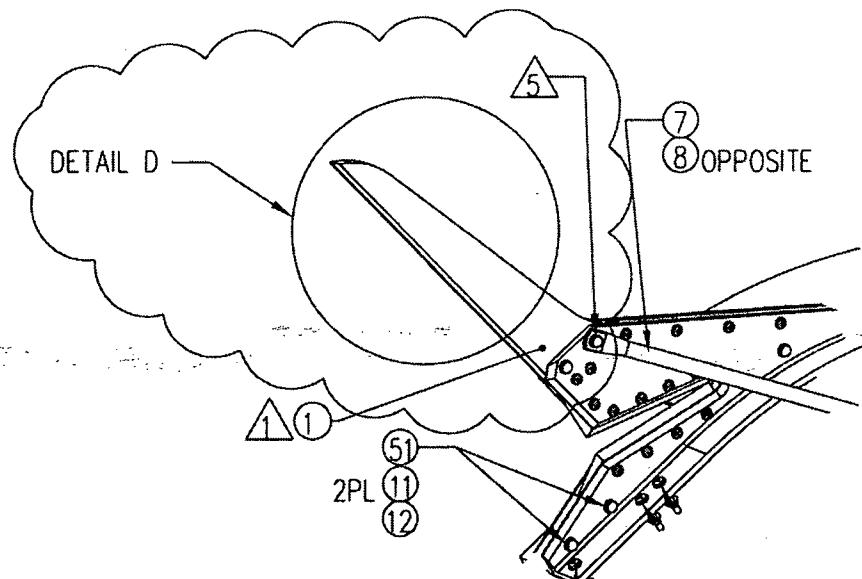
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03046				SHEET 1 OF 1
	DWG NO. 646.4000	REV: A	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: AS350 CABLE CUTTERS KIT					
APPROVED BY:	ENGR <i>P. Barnes</i>	MFG <i>David Barker</i>	QC <i>Howard J. Jackson</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS. ADDED NOTE 7.			

SHEET 1, ZONE B1 IS:

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A4 IS:

SHEET 2, ZONE B2 IS:

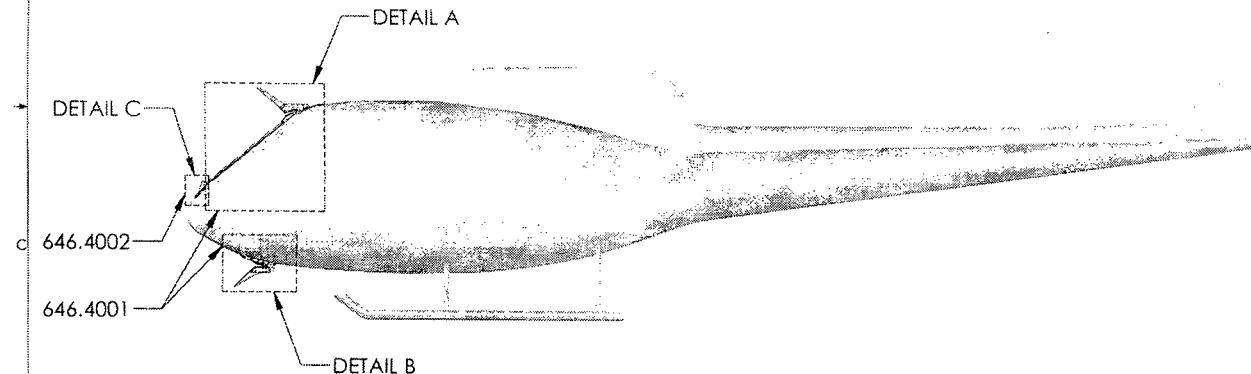


F/N	TC	PART NUMBER	REF	DESCRIPTION	MATERIAL	SPECIFICATION
65	A	647.5701	.4001	GPS MOUNT KIT	A	
DOCUMENTS EFFECTED:		<input type="checkbox"/> MDL	<input type="checkbox"/> INSTALL INSTRUC	<input type="checkbox"/> ICA	<input checked="" type="checkbox"/> BOM	CHANGE CATEGORY
					<input type="checkbox"/> MAJOR	<input checked="" type="checkbox"/> MINOR
					<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

99934

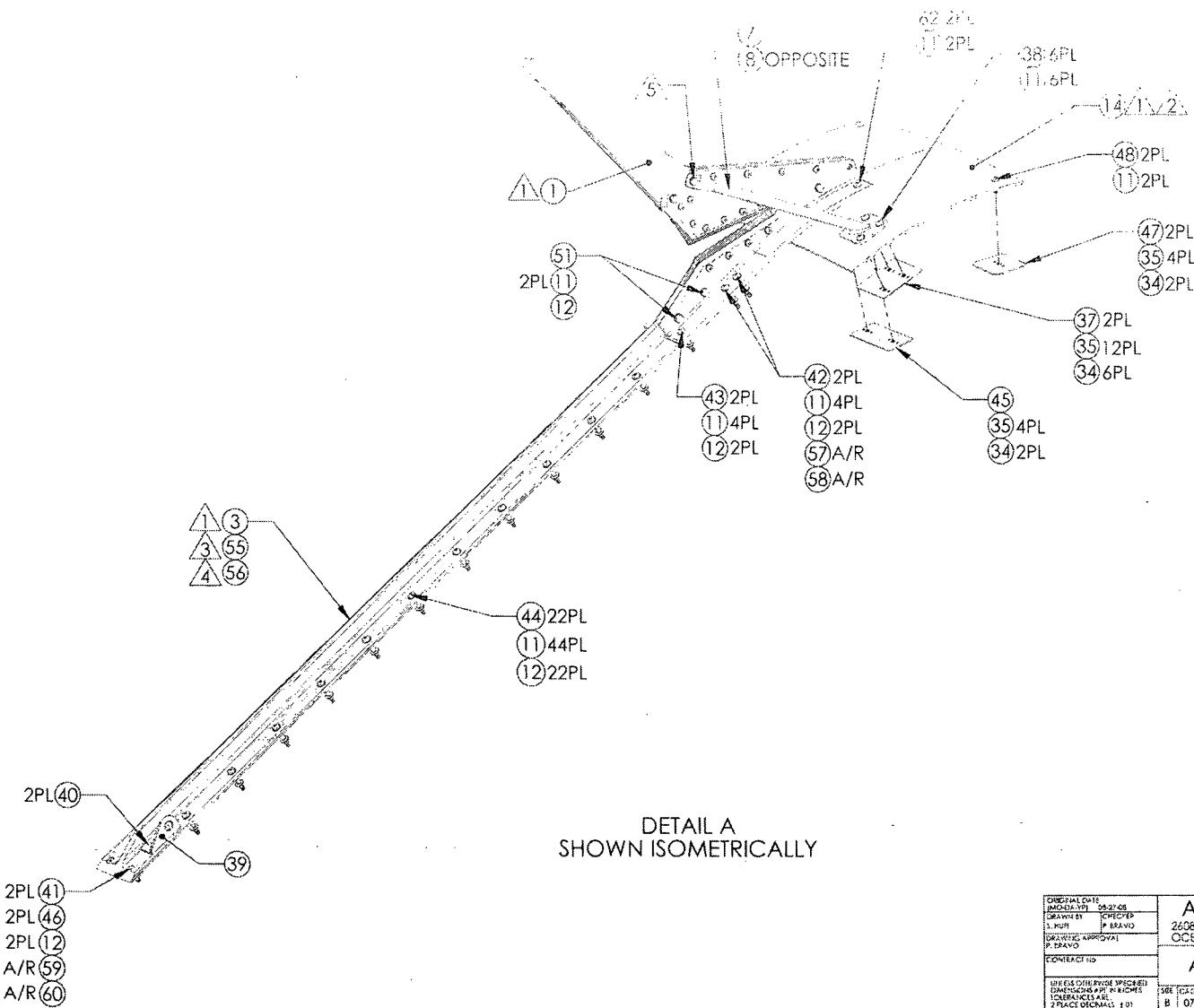
NOV 10

-  AFTER INSTALLATION, APPLY F/N 54 A/R TO FILLET GAPS AND FILLET EDGES
 -  INSTALL F/N 14 WITH F/N 52 & 53
 -  3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMASTER-CARR P/N 75935A651
 -  3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
 -  REUSE FASTENERS FROM F/N 1
 -  USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT



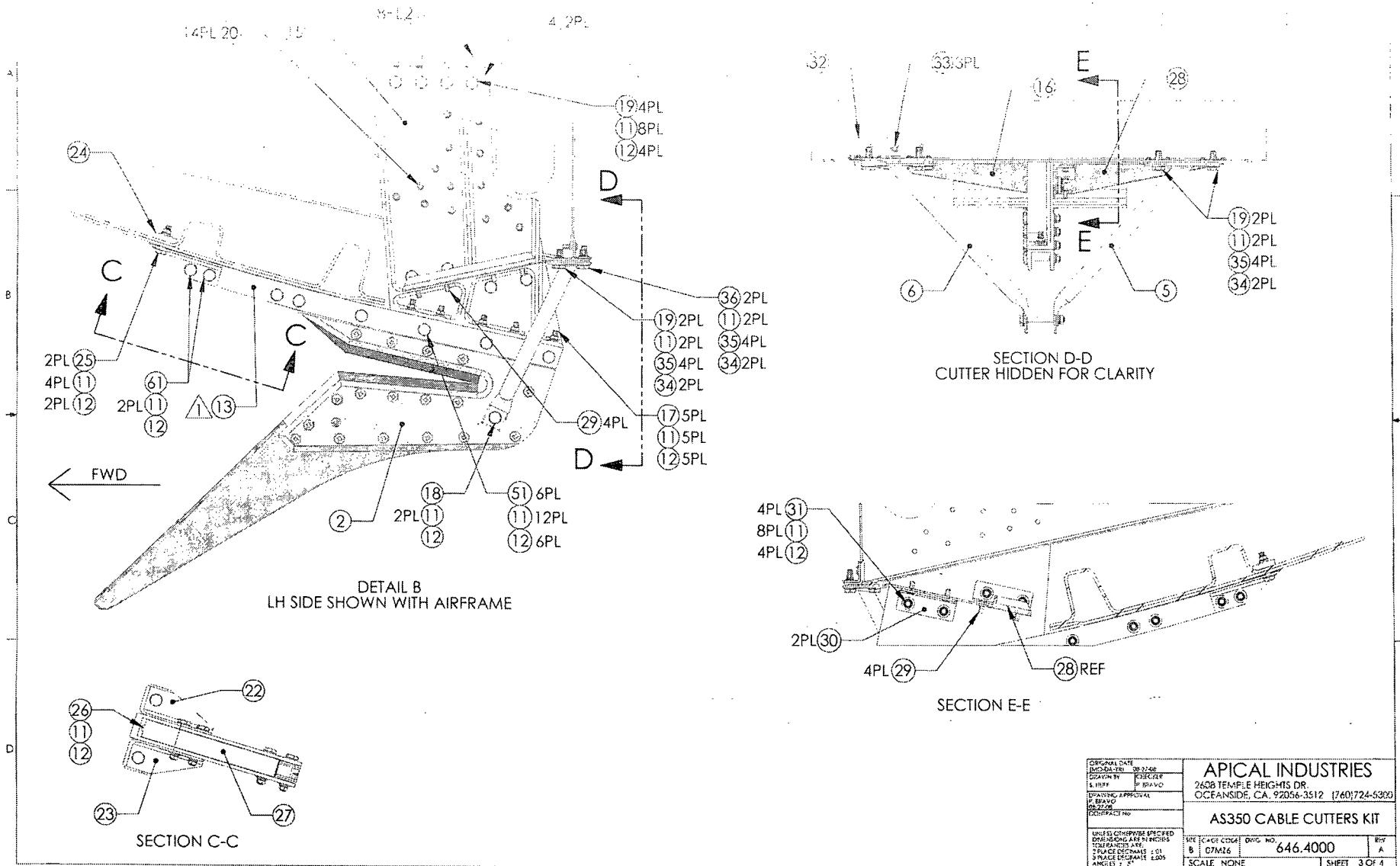
6	64	601.3151	WASHER	NAS1449Q380P
2	63	601.2911	SCREW	MS24671513
2	62	601.2657	SCREW	MS2703P-116
2	61	601.2763	BOLT	ANSI 12A
1	60	644.3913	SHIM	-
4	59	646.3912	SHIM	-
1	58	646.3911	SHIM	-
1	57	646.3910	SHIM	-
		FIND #	PART #	DESCRIPTION
				MAP
				SPC

99934

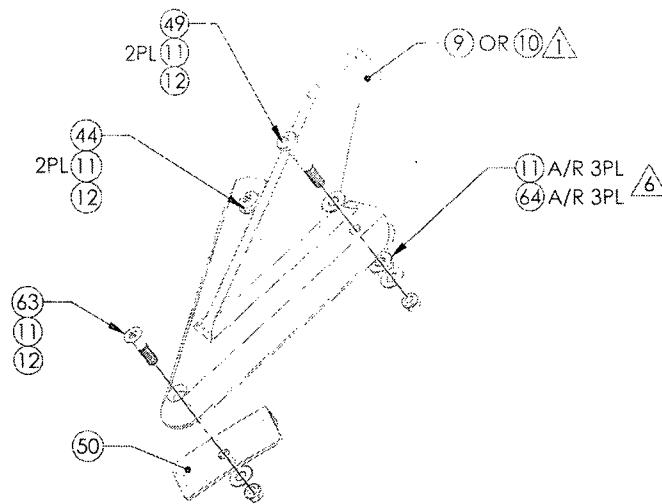


CREATED DATE: 04-27-08	APICAL INDUSTRIES
DRAWN BY: J. MURRAY	2008 TEMPLE HEIGHTS DR.
TECHNICAL: P. BRAVO	OCEANSIDE, CA. 92056-3512 (760)724-5300
DRAWING APPROVAL:	
P. BRAVO	
CONTRACT NO:	AS350 CABLE CUTTERS KIT
REV: 0	
SPEC. SHEET NO: 1	646,4000
SCALE: NONE	1 SHEET 2 OF 4

99934



99934



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 06/03/04	DESIGNER J. H. GORECKI	REVISION S. 1001	DRAWING APPROVAL P. BRAVO	CONTRACT NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE +.005 / -.000 1 PLACE DECIMALS ± .005 ANGLES ± 5°				
REF	ITEM/CODE	Dwg No	REV	
B	07M16	646.4000	A	
SCALE: NONE SHEET: 4 OF 4				

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300
AS350 CABLE CUTTERS KIT

Work Order ID 99934

April-16-13 12:35:26 PM

Item ID: 646.4001

Revision ID:

Item Name: AS350.Cable Cutter

Start Date: 4/16/13 **Start Qty:** 1.00

Required Date: 4/30/13 **Req'd Qty:** 1.00

Reference:

Approvals: **Process Plan:** *ML5*

QC:

Date: *13-04-16* **Tooling:**

Date: **SPC (Y/N):**

Date:

Date:

Setup

Start

NS1

Stop

NS2

**Sequence ID/
Work Center ID**

**Operation
Description**

Draw Nbr

Revision Nbr

**Set Up/
Run Hours**

Tool ID

Tool #

**Plan
Code**

**Accept
Qty**

**Reject
Qty**

**Reject
Number**

**Insp.
Stamp**

646.4000

A

JO

0.00

100

DOCUMENT CONTROL

DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPP 646.4001

ML5

13-04-26

110

Pick Kit

0.00

110

Packaging

Packaging

Memo

0.00

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

Memo

0.00

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

SHEET 1

JF 1

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

DATE: 03/21/11

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR *P. Brano*

MFG

David Baker

QC

Michael Sosa

EFF:

NEXT ORDER

TRANSACTION CODES (TC)
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

REFERENCE ONLY
SmB

REF	REF	REF	65	647.570	GPS MOUNT KIT	
1	6	64	601.3151	WASHER	NS2464035P	
2	2	63	601.2911	SCREW	NS2464033	
2	2	62	601.2637	SCREW	NS27039-1-15	
2	2	61	601.2763	BOLT	AKG-12A	
1	1	60	646.3913	SHIM		
4	4	59	646.3912	SHIM		
1	1	58	646.3911	SHIM		
4	4	57	646.3910	SHIM		
5	5	56	600.1013	PRIMER		
8 FT	8 FT	55	600.0129	VHB TAPE		
1	11	54	600.1012	SEALANT	PR-1423 CLASS 3	
4864	4862	4862	FIND #	PART #	DESCRIPTION	MATL
						SPEC

1	1	53	600.0991	HACKERONE 6378 PART B	1		
1	1	52	600.0990	HACKERONE 6378 PART A			
8	1	51	601.2826	BOLT		AKG-12A	
1	2	50	646.3814	WIPER BRACKET			
2	2	49	601.2910	SCREW		NS27039-1-18	
2	2	48	601.1565	SCREW		NS27039-1-18	
2	2	47	646.3719	DOUBLER			
2	2	46	646.3718	CUSTOM WASHER			
1	1	45	646.3717	DOUBLER			
22	2	44	601.1448	SCREW		NS27039-1-19	
2	2	43	601.1952	SCREW		NS27039-1-20	
4	4	42	601.1956	SCREW		NS27039-1-21	
2	2	41	601.2829	SCREW		NS2464034	
2	2	40	601.2831	RIVET		NS2470405-7	
1	1	39	646.3716	GAUGE BRACKET			
6	1	38	601.1953	SCREW		NS27039-1-12	
2	1	37	646.3715	STRUT DOUBLER			
2	2	36	601.2824	BOLT		AKG-14	
36	1	35	601.2277	RIVET		NS246403-3-46	
18	-	34	600.0795	NUTPLATE		NS2447-3	
3	3	33	601.2555	RIVET		NS2470405-7	
1	1	32	646.3813	STRUT BRACKET			
4	1	31	601.2822	BOLT		AKG-14	
2	2	30	646.3812	GUSSET BRACKET			
3	1	29	601.2564	RIVET		NS2470405-6	
1	1	28	646.3714	GUSSET			
1	1	27	646.3610	FILLER			
1	1	26	601.2830	SCREW		NS24640335	
2	2	25	601.2835	BOLT		AKG-14	
1	1	24	646.3811	RADIUS BLOCK			
1	1	23	646.3712	CLIP			
1	1	22	646.3711	CLIP			
9	8	21	601.2832	RIVET		NS2470405-3	
14	14	20	601.2020	RIVET		NS2223-3-3	
10	10	19	601.2823	BOLT		AKG-14	
5	5	18	601.2827	BOLT		AKG-12A	
5	5	17	601.2912	SCREW		NS2464033	
16	16	16	646.3713	GUSSET			
1	1	15	646.3210	SUPPORT			
1	1	14	646.3710	DOUBLER			
1	1	13	646.3110	CHANNEL			
9	55	16	69	12	LOCKNUT		NS2464033
10	116	16	134	11	WASHER		NS2464035P
				10	RH WIPER REFLECTOR		
				9	LH WIPER REFLECTOR		
				8	646.3513	STRUT	
				7	646.3512	STRUT	
				6	646.3511	STRUT	
				5	646.3510	STRUT	
				2	646.3810	BRACKET	
				3	646.3210	DEFLECTOR	
				2	646.301	LOWER CUTTER ASSY	
				1	646.3301	UPPER CUTTER ASSY	
				X1	646.4004	FIXED PROVISIONS KIT	
				X1	646.4003	SWING CUTTER BY TORQUE	
				X1	646.4008	SWING CUTTER BY TORQUE	
				X1	646.4001	AS350 CABLE CUTTERS KIT	
						DETERMINATION	
						MATERIAL	
						SPECIFICATION	

DOCUMENTS EFFECTED:

MDL INSTALL INSTRUC

ICA BOM

CHANGE CATEGORY
 MAJOR MINOR

DER REVIEW REQUIRED
 YES NO